



TUV SUD America Inc.
Product Safety Services
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 Plymouth, MI 48170
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IPEMA Surfacing Material Report – ASTM F1292-09

Client: Hanover Specialties
 Manufacturer: Hanover Specialties
 Manufacturing Location: Bohemia, NY
 Phone: 631-231-1300
 Commercial Name of product: PIP Surfacing
 Date of Manufacture: Unknown
 No. of samples submitted: 3 Samples

TUV Report No.: QI1111342-2
 Report Date: 12/21/2011
 Test Date: 12/21/2011
 Initial Test
 Follow up Test **Ref Job:**
 Sample Receipt Date: 12/13/2011
 Ambient Air Temperature: 22°C
 Humidity: 20%

Test Equipment:

Triax System 1: <input checked="" type="checkbox"/>	Environmental Chamber No.: PLYP00101
Triax System 2: <input type="checkbox"/>	Calibration Due Date: 8/1/12
Accelerometer ID: PLYP00089	Environmental Chamber No.: PLYP00069
Accelerometer Calibration Due Date: 6/1/2012	Calibration Due Date: 8/1/12

Loose fill Material Sample Description:

Engineered Wood Fiber: <input type="checkbox"/>	Un-compacted Depth: _____	Inches
Loose Fill Wood: <input type="checkbox"/>		
Rubber: <input type="checkbox"/>		
Sand: <input type="checkbox"/>	Compacted Depth: _____	Inches
Gravel: <input type="checkbox"/>		
Other: <input type="checkbox"/>		

Unitary Sample Description:

Tiles <input type="checkbox"/>	Total Thickness: <u>3.5 inches</u>
Poured in Place <input checked="" type="checkbox"/>	Top Layer: <u>0.5 inch</u>
Other <input type="checkbox"/>	Base Layer: <u>3.0 inches</u>

Comments:

The above described sample was tested at : 8 Ft.

The results reported herein reflect the performance of the above described samples at the time of testing and at the temperature(s) reported. The results are specific to the described samples. Samples of surfacing materials that do not closely match the described samples will perform differently. The following data sheet provides an accurate representation of the test results.

Sample in compliance with ASTM F1292-09 at the temperature and rating specified? Yes No

Signature: *Kevin C. Stark* Date: 12/22/2011

Reviewed by: *Jim Locke* Date: 12/22/2011

Client: **Hanover Specialties**

TUV Report No. **QI111342-2**

Manufacturer: **Hanover Specialties**

Test Date: **12/21/2011**

Drop	Specified Impact Height (Ft.)	Reference Temperature -6°C, (21.2°F)			Reference Temperature 23°C,(73.4°F)			Reference Temperature 49°C,(120.2°F)		
		G-Max	HIC	Velocity (ft/s)	G-Max	HIC	Velocity (ft/s)	G-Max	HIC	Velocity (ft/s)
1	8	123	722	22.7	134	827	22.7	138	841	22.7
2	8	134	815	22.8	140	857	22.8	147	921	22.7
3	8	134	809	22.8	140	860	22.7	145	883	22.7
Average		134	812		140	858.5		146	902	
Measured Surface Temperature		-6°C	Max. Change from reference +5°C ,(9°F)		23°C	Max. Change from reference 3°C ,(5.4°F) ±		49°C	Max. Change from reference -3°C ,(-5.4°F)	
Sample Condition:		DRY			DRY			DRY		

Drop	One foot over (Ft.)	Reference Temperature -6°C, (21.2°F)			Reference Temperature 23°C,(73.4°F)			Reference Temperature 49°C,(120.2°F)		
		G-Max	HIC	Velocity (ft/s)	G-Max	HIC	Velocity (ft/s)	G-Max	HIC	Velocity (ft/s)
1										
2										
3										
Average		0	0		0	0		0	0	
Measured Surface Temperature		°C	Max. Change from reference +5°C ,(9°F)		°C	Max. Change from reference 3°C ,(5.4°F) ±		°C	Max. Change from reference -3°C ,(-5.4°F)	
Sample Condition:										

Drop	One foot under (Ft.)	Reference Temperature -6°C, (21.2°F)			Reference Temperature 23°C,(73.4°F)			Reference Temperature 49°C,(120.2°F)		
		G-Max	HIC	Velocity (ft/s)	G-Max	HIC	Velocity (ft/s)	G-Max	HIC	Velocity (ft/s)
1										
2										
3										
Average		0	0		0	0		0	0	
Measured Surface Temperature		°C	Max. Change from reference +5°C ,(9°F)		°C	Max. Change from reference 3°C ,(5.4°F) ±		°C	Max. Change from reference 3°C ,(-5.4°F)	
Sample Condition:										



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